

Specimens from Fée's Pteridological Collection at the Botanical Garden of Rio de Janeiro

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As cited in a recent note (Windisch, 1981), specimens from A. L. A. Fée's pteridological, lichenological, and phanerogamic collections can be found in the Herbarium of the Botanical Garden of Rio de Janeiro (RB), as the result of the acquisition made by the Brazilian Emperor Dom Pedro II during his visit to Fée in 1871. Although this has been known by some botanists, for many the latest information about this collection was presented by Stearn (1962, p. 220), who held the traditional view that Fée's private herbarium had not been traced and was believed to have been lost at sea en route to Brazil.

In fact, the pteridophytes at RB are represented by 2,940 specimens bearing Fée's original annotations and labels, which are a clear indication that the material belonged to Fée's private collection. In addition, some specimens have been remounted without the original labels and with incomplete data on the new labels, making it difficult to ascertain with certainty the origin of the material, although it is likely that these specimens do belong to the Fée collection. Of the original material, 381 specimens appear to be types of taxa described by Fée. A few of these specimens have a note indicating that they were used to prepare lithographs (which were used in Fée's "Mémoires"), and some sheets have pencil drawings copied from original plates or have illustrations cut out from lithographs. A great number of specimens bear Fée's unpublished herbarium names. In addition to the foregoing specimens, many others are classical collections by such men as Cuming, Galeotti, Martius, and Gardner, some of which are isotypes of taxa described by Fée's colleagues Kunze, Klotzsch, Bory, and John Smith.

Among the pteridophytes, some groups are poorly represented, such as the tree ferns. It may be that the acquired collection was not complete, that parts of it are still misplaced, or that some specimens have been excluded from the Herbarium due to excessive damage. It will be difficult to determine precisely what happened to the specimens since their acquisition.

The following list of presently available pteridophyte types (or probable types, in a few cases) with relevant label data will certainly be of help to those working on nomenclatural problems related to the taxa represented. In some cases, no collector was indicated on the specimen label. In other cases, there is no collector's number, but the year of collection was given; these are cited as "in 1865" or whatever year applies. Numerals which are illegible on the specimen labels but which are known from being published in Fée's "Mémoires" have been placed in brackets in the list. Similarly, missing collectors or herbaria of origin also have been placed in brackets.

Abacopteris truncatum (Philippines, Cuming 298).

Acrostichum alatum (Guyane Française, Leprieur in 1839), *A. angustifolium* (Bolivia, Bridges 1850), *A. attenuatum* (ex horto Lipsiae), *A. blepharodes* (Mexique, Galeotti 6297), *A. callolepis* (Mexique, Galeotti), *A. cochleariaefolium* (Andes de Quito, Jameson 21[3]), *A. crispatum* (Quito, Jameson), *A.*

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Dombeyanum (Venezuela, Linden), *A. erythrolepis* (Perou, Dombey), *A. gratum* (Mexique, Schaffner 322b), *A. Hartwegii* (Hartweg 1486), *A. Herminieri* (Guadeloupe, L'Herminier), *A. intermedium* (Mexique, Schaffner 22), *A. lonchophyllum* (Mexique, Schaffner 19), *A. micradenium* (Iles Sandwich, Gaudichaud in 1836), *A. minutum* (Pohl in 1817-21), *A. obcrenatum* (Guadeloupe, L'Herminier in 1864), *A. plumosum* (Guyane, Schomburgk 44[6]), *A. rhabdolepis* (Quito, Jameson in 1845), *A. Schlimense* (Amerique Trop., Ocaña, Schlim 622), *A. stigmatolepis* (Neilgherries), *A. stramineum* (Brésil, Glaziou 3322), *A. tenuiculum* (Venezuela, Tovar, Fendler 272).

Adiantum Claussenii (Brésil, Nouv. Fribourg, Claussen 124), *A. extensum* (Mexique, Veracruz, Orizaba, Schaffner 41), *A. fuliginosum* (Guyane Française, Leprieur 256 ex Herb. Moug.), *A. gracile* (Brésil, Claussen), *A. jacobinae* (Brésil, Jacobine, Blanchet), *A. jamaicense* (Jamaica, Wilson), *A. nigrescens* (St. Domingue, Port-au-Prince, L'Épagnier), *A. obliquetruncatum* (Guadeloupe, L'Herminier), *A. ovaescens* (St. Domingue, [ex Herb. Bory]), *A. parvifolium* (St. Domingue, Poiteau), *A. pseudocapillus* (Cap de Bonna Spéi, Drège), *A. subaristatum* (Brésil, Bahia, Blanchet 2373), *A. tomentellum* (Brésil, Minas Gerais, Claussen), *A. trapezoides* (Mexique, Veracruz, Galeotti 6317), *A. tricholepis* (Mexique, Galeotti 6445).

Alsophila Schaffneriana (Mexique, San Martín, Schaffner 232).

Amblya latifolia (Nouv. Grenade, Ocaña, Schlim 656).

Aspidium acrocarpon (St. Domingue, Tussac), *A. agatolepis* (Mexique, S. Agostin, Schaffner 309b), *A. ameristoneuron* (Cuba, orig. inconnue), *A. asperulum* (Guadeloupe, L'Herminier in 186[1]), *A. capitainii* (Guadeloupe, L'Herminier in 1861), *A. chrysolepis* (Ile du Cap Vert, Webb), *A. dissectum* (Nouv. Grenade, Ocaña, Schlim 323), *A. frondulosum* (Bourbon, Bory), *A. germani* (Guadeloupe, Germain in 1861), *A. jucundum* (Mexique, Galeotti and Cuba, Linden 2115), *A. microthecium* (Philippines, Cuming 13), *A. obtusifolium* (Mexique, Huatusco, Schaffner 213), *A. pachyphlamys* (Guadeloupe, L'Herminier in 1861), *A. pauper* (Martinique, Mlle. Rivoire), *A. trichophorum* ("Cuba," ex Herb. Bory), *A. trichotomum* (Cochinchine, Tourane, Gaudichaud).

Asplenium bifissum (Cuba, Linden 1888), *A. cladolepton* (Nouv. Grenade, Ocaña, Schlim 324), *A. coriaceum* (Mexique, Galeotti), *A. debile* (Bolivia, Weddell 3790), *A. depauperatum* (Bolivia, Weddell 4235), *A. distans* (Mexique, Galeotti 6579), *A. extensum* (Nouv. Grenade, Ocaña, Schlim 629), *A. flageliferum* (Nouv. Grenade, Ocaña, Schlim 63), *A. Galeottii* (Mexique, Galeotti 6369), *A. herbaceum* (Nouv. Grenade, Schlim 326), *A. inaequalidens* (Guadeloupe, L'Herminier), *A. integrum* (Guadeloupe, L'Herminier), *A. lamprocaulon* (Mexique, Galeotti 6340), *A. leptophyllum* (Mexique, Galeotti 6446 and Mexique, Schlim 479), *A. macrodon* (Quito, Jameson in 1845), *A. myapteron* (Mexique, Orizaba, Schaffner 70 and Mexique, Popocatepetl, Schaffner 294), *A. neo-granatense* (Nouv. Grenade, Ocaña, Schlim 492), *A. progrediens* (Mexique, Huatusco, Schaffner 54), *A. pumilum* var. *hymenophylloides* (Abyssinia, Schimper), *A. surinamense* (Guyane Hollandaise, Kappler 183b), *A. tenellum* (Quito, Jameson in 1848), *A. ternatum* (Nouv. Grenade, Ocaña, Schlim 327).

Bathmium ebum (Bourboun, Montbrison and Madagascar, Nos-Beh, Pervillié), *B. villosum* ("in hort. ludg. Batavo").

Blechnum extensum (Brésil, Claussen), *B. helveolum* (Venezuela, Caracas, Moritz 17), *B. heterocarpum* (Brésil, Claussen), *B. Schlimense* (Nouv. Grenade, Schlim 752).

Campylonetron caudatum (Mexique, Cordoba, Huatusco, Schaffner 176), *C. cubense* (Cuba, Linden 1912), *C. jamesoni* (Quito, Jameson), *C. minus* (Brésil, Rio, Glaziou and Ameriq. Sud, Brésil, Glaziou ex Herb. Gauthier), *C. Moritzianum* (Caracas, Moritz 3), *C. xalapense* (Mexique, Galeotti 6273).

Cardiochlaena alata (Philippines, Cuming 148), *C. ampla* (Guadeloupe, L'Herminier), *C. confluens* (Guadeloupe, L'Herminier), *C. laevis* (Philippines, Cuming), *C. macrophylla* var. *crenata* (Caracas, Moritz 112), *C. macrophylla* var. *distans* (Brésil, Martius), *C. pilosa* (Brésil, Rio de Janeiro, Weddell 656), *C. sinuosa* (Philippines, Cuming).

Cassebera paradoxa (Brésil, Serra dos Orgãos, Gardner 59[3]0), *C. petiolata* (Buenos . . . Argen.).

Cheilanthes aspidioides (Mexique, Galeotti 6557), *C. cucullans* (Mexique, Schaffner 82), *C. glaberrima* (Brésil, Ile Ste. Catherine, Desterro), *C. griffithiana* (Ind. Oriental., Griffith), *C. malaccensis* (Malacca, Cuming 408).

Chrysodium scalpturatum (Panama, Bonpland).

Chrysopteris martinicensis (Martinique, Mlle. Rivoire), *C. microdictya* (Mexique, [Schaffner 203]).

Craspedaria borbonica (Bourbon, Bory), *C. Gestasiana* (Brésil, Rio de Janeiro, de Gestas), *C.*

javanensis (Java, Zollinger 1086), *C. lanceolata* (Surinam, Hostmann 324).

Cryptosorus dionaea (Java, Lobb 270).

Culcita Schlimensis (Nouv. Grenade, Ocaña, Schlim 322).

Cyathea Commersoniana (Ile de France, Commerson).

Cystopteris azorica (Açores, Fayal, Hochstetter).

Dicksonia incisa (Guadeloupe, L'Herminier in 186[4]), *D. neglecta* (Philippines, Cuming 108²), *D. stenochlaena* (Bourboun, Montbrison).

Didymoglossum fructuosum (Guadeloupe, L'Herminier in 1861), *D. Krausii* var. *subpinnatifida* (Mexique, Schaffner).

Diplazium acutale (Mexique, Galeotti 6289), *D. anthracolepis* (Mexique, Huatusco, Schaffner 267b and Mexique, Huatusco, Schaffner 627a), *D. camptocarpon* (Mexique, Cordoba, Schaffner 69), *D. dissimile* (Brésil, Ste. Catherine, Mors in 1860), *D. Feei* (Mexique, Veracruz, Barrancas de San Martín, Schaffner 265), *D. firmum* (Ceylon, Thwaites 1349), *D. grammatoides* (Guadeloupe, L'Herminier), *D. melanopodium* (Philippines, Luzon, Cuming 29), *D. mohillense* (Madagascar, Ile Mohilla, Hell), *D. parallelogrammum* (Brésil, Rio Negro, Spruce 3832), *D. praelongum* (Ile de France, [ex Herb. T. Moore]), *D. Schlimense* (Nouv. Grenade, Ocaña, Schlim 601), *D. Tussaci* (St. Domingue, Tussac).

Doryopteris raddiana var. *patula* (Brésil, Rio de Janeiro, Glaziou 1740).

Drymoglossum abbreviatum (Cochinchine, Tourane, Voy. de la Bonite, Gaudichaud), *D. subcordatum* (Amboine, Gaudichaud).

Drynaria acuminata (Brésil, Rio Negro, Barra, Spruce in 1850-51), *D. compacta* (Ste. Hélène, Cuming 431), *D. crassinervata* (Mexique, Orizaba, Schaffner 489 and Mexique, Cordoba, Schaffner 174a), *D. elastica* (Guadeloupe, L'Herminier), *D. mexicana* (Mexique, Puebla, Schaffner 179 and Mexique, Popocatepetl, Schaffner 292), *D. pinnata* (Philippines, Luzon, Cuming 263), *D. Prieurei* (Guyane Française, Le Prieur, provenant de M. Mougeot), *D. stenoloma* (Mexique, Galeotti 6532), *D. torulosa* (Cuba, Linden).

Eriosorus Ruizianus (Perou, Machi, Ruiz & Pavon), *E. scandens* (Perou, Ruiz & Pavon).

Goniophlebium acuminatum (Guadeloupe, L'Herminier and Rivière St. Louis, au Matuba, Guadeloupe, L'Herminier in 1861), *G. anisomeron* (Mexique, Orizaba, Schaffner in 1856), *G. arcuatum* (Martinique, Mlle. Rivoire), *G. calaguala* (Mexique, Orizaba, Schaffner 184), *G. chondrocheilon* (Nouv. Grenade, Páramo Río Hacha, Schlim 1007), *G. coriaceum* (Bourbon, Bory), *G. Gauthieri* (Brésil, Ste. Catherine, Gauthier), *G. intermedium* (Guadeloupe, L'Herminier), *G. invertens* (Mexico, Orizaba, Schaffner 494), *G. lepidotrichum* (Mexique, Córdoba, Schaffner 198 and Mexique, Orizaba, Schaffner 451), *G. longicaule* (Nouv. Grenade, Río Hacha, Schlim 847), *G. molestum* (Mexique, Córdoba, Schaffner 180 and Mexique, Orizaba, Schaffner 180), *G. pectinans* (Brésil, Claussen), *G. plectolepis* (Mexique, Orizaba, Schaffner 187), *G. pleopeltis* (Java, Lobb 263), *G. Villemianum* (Nouv. Grenade, Ocaña, Schlim 1009).

Goniopteris Feei L'Herm. & Fée (Guadeloupe, L'Herminier in 1861), *G. ferax* (Guadeloupe, L'Herminier), *G. guadalupensis* (Guadeloupe, L'Herminier in 1861), *G. leptocladia* (Guadeloupe, L'Herminier), *G. Lobbiana* (Lobb 27[6] in 1845), *G. macroclada* (Brésil, Ste. Catherine, Albuquerque), *G. martinicensis* (Martinique, Mlle. Rivoire), *G. mollis* (Tabasco, Linden 1499), *G. patens* (Afrique austral, Port Natal, Guenzius), *G. pyramidata* (Guadeloupe, Grande Terre, L'Herminier), *G. quadrangularis* (Trinité, Germain in 1862), *G. repanda* (Cochinchina, Pulo-Pinang, Gaudichaud), *G. rostrata* (Guadeloupe, L'Herminier in 1861), *G. strigosa* (Ste. Domingue, Port-au-Prince, L'Épagnier in 1844), *G. tenera* (Guadeloupe, L'Herminier in 1861).

Grammitis limbata (Guadeloupe, Perrotet in 1824), *G. longa* (Java, Lobb 271), *G. zeylanica* (Ceylon, Gardner 56).

Hemicardion crenatum (Cochinchina, Gaudichaud), *H. cumingianum* (Philippines, Cuming 68), *H. macrosorum* (Nouv. Grenade, Ocaña, Schlim 658).

Hemistegia contracta (Indiae Orientale, Lady Dalhousie), *H. elegantissima* (Mexique, Linden), *H. insignis* (Guadeloupe, L'Herminier in 1861), *H. lucida* (Mexique, Oaxaca, Galeotti 6537), *H. repanda* (Cuba, Linden).

Hewardia diphylla (Brésil, Bahia, Blanchet), *H. serrata* (Brésil, Bahia, Luschnath).

Hydroglossum mexicanum (Mexique, Oaxaca, Galeotti 6419).

Hypolepis chilensis (Chile, Valparaiso, *Gaudichaud*), *H. helenensis* (Ste. Hélène, *Cuming* 4[3]3), *H. parviloba* (Brésil, Rio Negro, *Spruce* 2119).

Jamesonia rotundifolia (Nouv. Grenade, Ocaña, *Schlim* 363).

Leptochilus subquinquefidus (Philippines, Mindora, *Cuming* 3), *L. Thwaitesianus* (Ceylon, *Thwaites* 1316), *L. zeylanicus* (Ceylon, *Thwaites* 1317).

Lindsaya curvans (Mexique, *Galeotti* 6489), *L. consanguinea* (Guadeloupe, *L'Herminier* in 1864 and Brésil, Bahia, *Luschnath* 22), *L. crenulata* (Ind. Orient., Malacca, *Griffith*), *L. elegans* (Colombie, *Moritz* 238), *L. Galeottii* (Mexique, *Galeotti* 6469), *L. L'Herminieri* (3 specimens, all Guadeloupe, *L'Herminier*), *L. montana* (Guadeloupe, *L'Herminier* in 1862 and 1864), *L. multifrondulosa* (Mexique, *Galeotti*), *L. parvula* (Trinité, *Germain* in 1862).

Litobrochia affinis (3 specimens, all Guadeloupe, *L'Herminier*), *L. brevinervis* (Guadeloupe, *L'Herminier*), *L. Galeottii* (Mexique, *Galeotti* 6485), *L. grandis* (Mexique, Mirador, *Schaffner* 144), *L. hemipteris* (Mexique, *Schaffner*), *L. inaequalis* (Trinité, *Germain* in 1862), *L. mexicana* (Mexique, Teotalcingo, *Galeotti* 6376), *L. microdictyon* (Philippines, *Cuming*), *L. Montbrisonis* (Bourbon, *Montbrison*), *L. organensis* (Brésil, Orgãos, *Glaziou* 3329), *L. setifera* (Mexique, Cerro S. Martin, *Galeotti* 6571), *L. Tussacii* (Ste. Domingue, *Tussac*).

Lomariopsis elongata (Brésil, Bahia, *Luschnath* 19), *L. erythrodes* (Brésil, *Martius* 366), *L. Prieuriana* (Guyane Française, *Leprieur*), *L. sorbifolia* var. *caudata* (Guadeloupe, *L'Herminier*).

Lonchitis stechnochlamis (Cap de b. Spéi, *Drège*), *L. tomentosa* (Madagascar, *Pervillié*).

Lophosoria acaulis (Brésil, Serra do Couto, *Glaziou* 3164), *L. prostrata* (Brésil, Serra do Couto, *Glaziou* 3165).

Lycopodium eriostachys (Brésil, Orgãos, *Glaziou* 1788).

Mertensia grandis (2 specimens, both Mexique, Huatusco, Mirador, *Schaffner* 230).

Microlepia caudata (Mexique, Teotalcingo, *Galeotti* 6257), *M. effusa* (Pul-Pinang, *Lady Dalhousie*, ex herb. Graham), *M. Galeotti* (Mexique, Teotalcingo, *Galeotti* 6526).

Microsorium longissimum (Philippines, *Cuming* 66).

Myriopteris cheiloglyphys (Mexique, [Orizaba, *Schaffner* 91]), *M. gracilis* (Ameriq. nord., *Riehl* 529), *M. marsupianthes* (Mexique, [Orizaba]), *M. rufa* (Mexique, Orizaba, [*Schaffner* 83]).

Nephrolepis Schkhourii var. *minor* (*Linden* 1882).

Notholaena pruinosa (Mexique, Toluca, *Schaffner* 167c).

Onychium carvifolium (Philippines, *Cuming* 3[2]), *O. multifidum* (Cuba, *Linden*).

Oochlamys Rivoirei (Martinique, *Mlle. Rivoire*).

Pellaea mucronata (Mexique, *Schaffner* 150), *P. palmescens* (Philippines, *Cuming*), *P. Weddelliana* (Bolivia, *Weddell* 3778).

Phegopteris adnata (Brésil, Rio de Janeiro, *Glaziou* 2398), *P. Blanchetiana* (Brésil, *Blanchet* 2928), *P. blepharodes* (Bourbon, *Montbrison*), *P. brevinervis* (Brésil, *Claussen*), *P. cordata* (Cuba, *Linden* 1873), *P. ctenoides* (2 specimens, both Ste. Domingue, *Tussac*), *P. delicatula* (Guadeloupe, *L'Herminier* in 1864), *P. dilatata* (2 specimens, both Guadeloupe, *L'Herminier* in 1861), *P. elata* (Bourbon, *Montbrison*), *P. fluminensis* (Brésil, Rio de Janeiro, *Glaziou* 965), *P. germaniana* (Guadeloupe, *L'Herminier*), *P. Helliana* (Bourbon, *Hell*), *P. impressa* (Mexique, Huatusco, *Schaffner* 218), *P. inaequalis* (Mexique, Huatusco, *Schaffner* 240, Mexique, Huatusco, *Schaffner* 241a, and Mexique, Tututla, *Schaffner* 241b), *P. lanata* (Bourbon, *Montbrison*), *P. leptoptera* (Ste. Domingue, *Tussac*), *P. macrotheca* (Guadeloupe, *L'Herminier* in 1864), *P. melanorhachis* (Mexique, Huatusco, *Schaffner* 238), *P. mollivillosa* (Brésil, *Martius* 320), *P. Montbrisoniana* (Bourbon, *Montbrison*), *P. nervosa* (Philippines, *Cuming*), *P. nitens* (Ceylon, *Walker*), *P. oreopteridastrum* (Brésil, Rio de Janeiro, *Glaziou* 963), *P. pilulosa* (Mexique, *Linden*), *P. polystichiformis* (Cuba, Santiago de Cuba, *Linden* 1874 in 1844), *P. rustica* (Guadeloupe, *L'Herminier* in 1861), *P. scalpturata* (Bourbon, *Pervillié* and Madagascar, *Pervillié*), *P. scrobiculata* (Brésil, Rio de Janeiro, *Glaziou* 1780), *P. stenolepis* (Mexique, prope Huatusco, *Schaffner* 239), *P. straminea* (Bourbon, *Montbrison* 1898), *P. villosa* (La Guadeloupe, *L'Herminier* in 1861).

Phlebogonium impressum (Ind. Orientales, *Griffith*).

Plecosorus leptocladon (Nouv. Grenade, Ocaña, *Schlim* 438), *P. peruvianus* (Perou, *Ruiz*).

Polybotrya cyathifolia (Guadeloupe, *L'Herminier*), *P. scandens* (Mexique, *Galeotti* 187), *P. semi-pinnata* (2 specimens, both Brésil, Rio de Janeiro, *Glaziou* 2427).

Polypodium arthropodium (Mexique, Cordoba, Schaffner 185 and Mexique, Orizaba, Schaffner 186b), *P. australe* (Tenerife, [Bory] and Corse, Requier in 1845), *P. blandum* (Amerique merid.), *P. callolepis* (Mexique, Mecameca, Schaffner 271 and Mexique, Popocatepetl, Schaffner 272), *P. camptoneuron* (Cuba, Linden 1886), *P. cancellatum* (Cuba, Linden), *P. cheilostictum* (Mexique, Orizaba, Schaffner 453), *P. cryptocarpon* (Mexique, Cordoba, Schaffner 194), *P. cubense* (Cuba, Linden), *P. echinolepis* (Mexique, Cordoba, Schaffner 188), *P. ellipsoideum* (Mexique, prope S. Angel, Schaffner 211), *P. filipendulaefolium* (Java, Lobb 269), *P. funiculum* (Cuba, Linden 1885), *P. glycirrhiza* (Guadeloupe, L'Herminier in 1861), *P. inaequale* (Guadeloupe, L'Herminier in 1861), *P. incanoides* (Mexique, Huatusco, Schaffner 199), *P. leptostomum* (Mexique, Orizaba, Schaffner 210), *P. macrosorum* (Quito, Jameson in 1845), *P. nivolum* (Mexique, Huatusco, Schaffner 193), *P. oulolepis* (Mexique, Huatusco, Schaffner 191, Mexique, Orizaba, Schaffner 191b, and Mexique, Valle de Mexique, Schaffner 192), *P. pubescens* (Mexique, Huatusco, Dos Puentes, Schaffner 181), *P. rhagadiolepis* (Mexique, Linden, and Mexique, prope Orizaba, Schaffner 200b), *P. Schaffneri* (Mexique, Schaffner 310), *P. Schaffneri* var. *crispum* (Mexique, Popocatepetl, Schaffner 273), *P. serricula* (1 sheet: Guadeloupe, L'Herminier and Guadeloupe, Perrotet), *P. senile* (Nouv. Grenade, Ocaña, Schlim 364), *P. tenuiculum* (Guadeloupe, L'Herminier).

Polystichum chlaenosticta (Nouv. Hollande, L'Hostschy), *P. falcatum* (Ste. Domingue, Port-au-Prince, L'Épagnier), *P. guadalupense* (Guadeloupe, L'Herminier), *P. heterolepis* (Cuba, Santiago de Cuba, Linden 1742(2)), *P. ilicifolium* (Cuba, Santiago de Cuba, Linden 2193), *P. incisum* (Philippines, Cuming 146), *P. lepidomanes* (Java, Lobb 262), *P. rachichlaena* (Mexique, Popocatepetl, Schaffner 290), *P. schizolobium* (Bourbon, Montbrison), *P. viviparum* (Cuba, Santiago de Cuba, Linden 1742(1)).

Pteris aspera (Bourbon, Montbrison), *P. croesoides* (Bourbon, Montbrison), *P. gracilis* (Brésil, Claussen), *P. heteromorpha* (Malacca, Cuming 409), *P. melanocaulon* (Philippines, Cuming), *P. muricella* (Mexique, Cordoba, Schaffner 143), *P. mysorensis* (Indes, Mysore, Hook fil. & Thompson), *P. oppositi-pinnata* (Philippines, Cuming), *P. paucinervata* (Mexique, Mirador, Schaffner 152), *P. philippinensis* (Philippines, Cuming 8), *P. prionitis* (Philippines, Cuming 46), *P. punctata* (Bourbon, Bory), *P. rostrata* (Perou, Spruce), *P. semidentata* (Nouv. Grenade, Ocaña, Schlim 482).

Sagenia gemmifera (Madagascar, Pervillié), *S. mexicana* (Mexique, Galeotti 6484 and Mexique, Oaxaca, Galeotti 6542).

Schizoloma javae (Java, Zollinger 1504).

Synochlamys ambigua (Nouv. Grenade, Río Hacha, Schlim 877).

Vittaria amboinensis (Amboine, Labillardière), *V. filifolia* (Mexique, Linden 168), *V. Gardneriana* (Brésil, Orgãos, Gardner 147), *V. latipes*, (Madagascar, Boivin in 1853), *V. loricea* (Java, Zollinger 1001), *V. minor* (Philippines, Cuming 381), *V. Owariensis* (Oware et Beni, Palisot-Beauvois in 1820), *V. remota* (Nouv. Grenade, Ocaña, Schlim 611), *V. Ruiziana* (Perou, Huassa-Haasi, Ruiz & Pavon), *V. sarmentosa* (Cap de Bonna Spéi, Drège), *V. tenera* (Guenzius), *V. zeylanica* (Ceylon, Walker 210).

Woodsia mexicana (Mexique, S. Angel, Schaffner 306).

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LITERATURE CITED

- STEARNS, W. T. 1962. Fée's "Memoires sur la famille des fougères." *Webbia* 17:207-221.
WINDISCH, P. G. 1981. Specimens from Fée's herbarium in Rio de Janeiro (RB). *Taxon* 30:730.